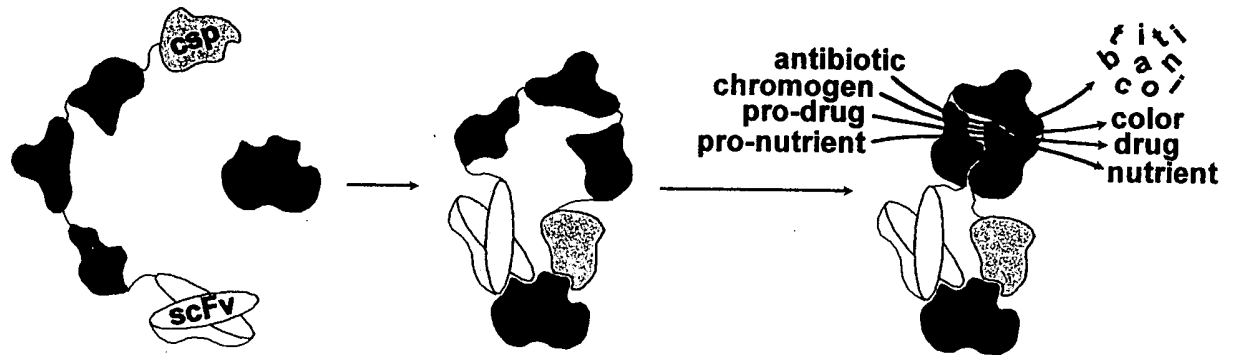


A.



B.

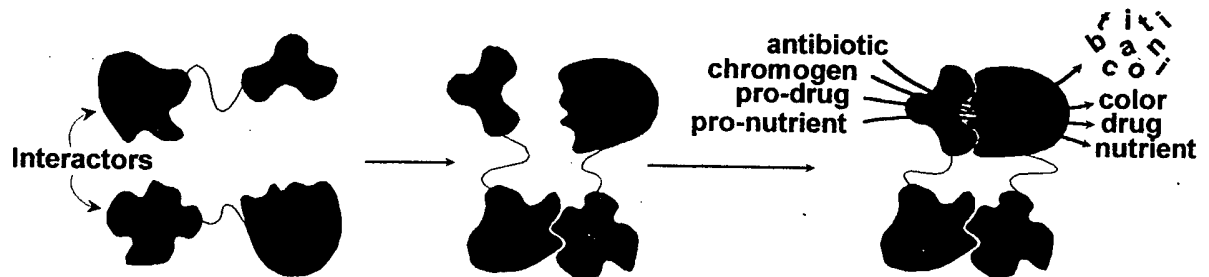


Figure 1

```

76  cac cca gaa acg ctg gtg aaa gta aaa gat gct gaa gat cag ttg ggt
26  H  P  E  T  L  V  K  V  K  D  A  E  D  Q  L  G

124 gca cga gtg ggt tac atc gaa ctg gat ctc aac agc ggt aag atc ctt
42  A  R  V  G  Y  I  E  L  D  L  N S  G  K  I  L

172 gag agt ttt cgc ccc gaa gaa cgt ttt cca atg atg agc act ttt aaa
58  E  S  F  R  P  E E  R  F  P  M  M  S  T  F  K

220 gtt ctg cta tgt ggc gcg gta tta tcc cgt att gac gcc ggg caa gag
74  V  L  L  C  G  A  V  L  S  R  I  D  A  G  Q  E

268 caa ctc ggt cgc cgc ata cac tat tct cag aat gac ttg gtt gag tac
90  Q  L  G  R  R  I  H  Y  S  Q N  D  L  V  E  Y

316 tca cca gtc aca gaa aag cat ctt acg gat ggc atg aca gta aga gaa
106 S  P  V  T  E  K  H  L  T  D  G  M  T  V  R  E

364 tta tgc agt gct gcc ata acc atg agt gat aac act gcg gcc aac tta
122 L  C  S  A  A  I  T  M  S  D  N  T  A  A  N  L

412 ctt ctg aca acg atc gga gga ccg aag gag cta acc gct ttt ttg cac
138 L  L  T  T  I  G  G  P  K  E  L  T  A  F  L  H

460 aac atg ggg gat cat gta act cgc ctt gat cgt tgg gaa ccg gag ctg
154 N  M  G  D  H  V  T  R  L  D  R  W  E  P  E  L

508 aat gaa gcc ata cca aac gac gag cgt gac acc acg atg cct gta gca
170 N  E  A  I  P N  D  E  R  D  T  T  M  P  V  A

556 atg gca aca acg ttg cgc aaa cta tta act ggc gaa cta ctt act cta
186 M  A  T  T  L  R  K  L  L  T  G  E L  L  T  L

604 gct tcc cgg caa caa tta ata gac tgg atg gag gcg gat aaa gtt gca
202 A  S  R  Q  Q  L  I  D  W  M  E  A  D  K V  A

652 gga cca ctt ctg cgc tcg gcc ctt ccg gct ggc tgg ttt att gct gat
218 G  P  L  L  R  S  A  L  P  A G  W  F  I  A  D

700 aaa tct gga gcc ggt gag cgt ggg tct cgc ggt atc att gca gca ctg
234 K  S  G  A  G  E  R  G  S  R  G  I  I  A  A  L

748 ggg cca gat ggt aag ccc tcc cgt atc gta gtt atc tac acg acg ggg
250 G  P  D  G K  P  S  R  I  V  V  I  Y  T  T  G

796 agt cag gca act atg gat gaa cga aat aga cag atc gct gag ata ggt
266 S  Q  A  T  M  D  E  R  N  R  Q  I  A  E  I  G

844 gcc tca ctg att aag cat tgg
282 A  S  L  I  K  H  W

```

Figure 2

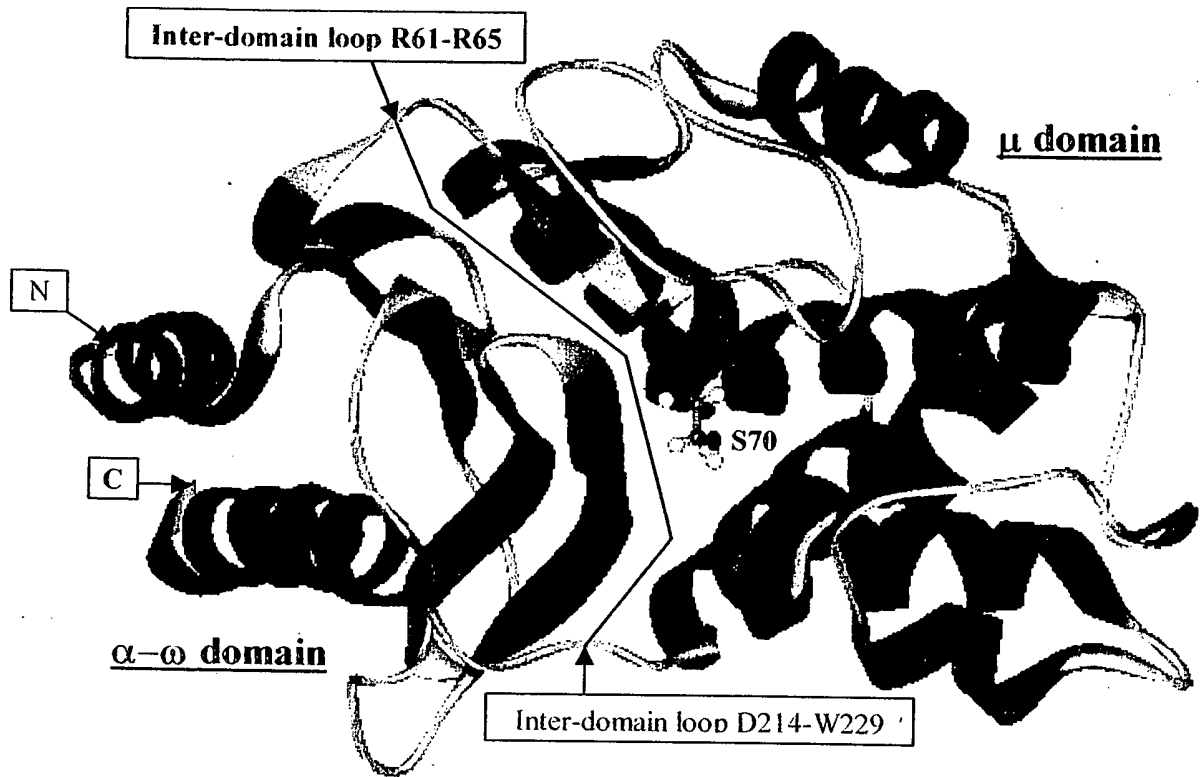


Figure 3

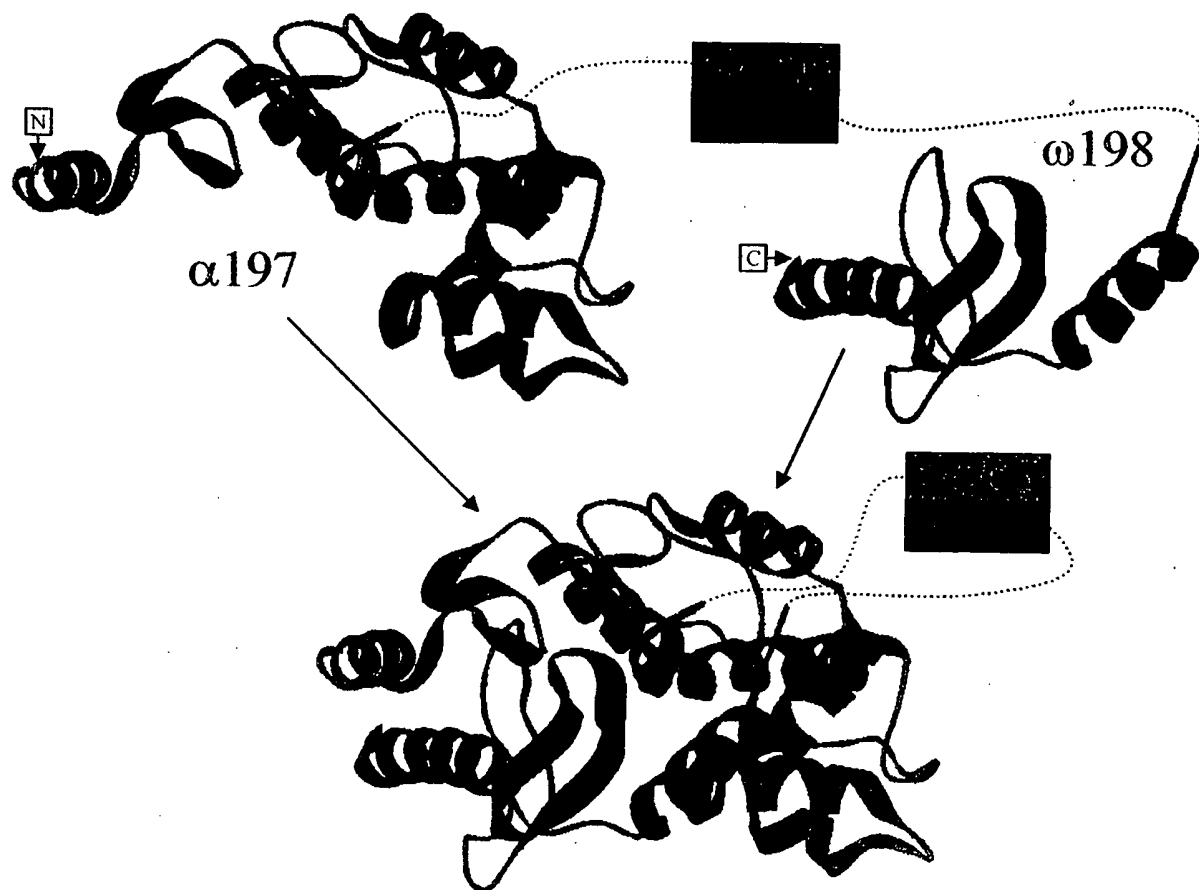


Figure 4

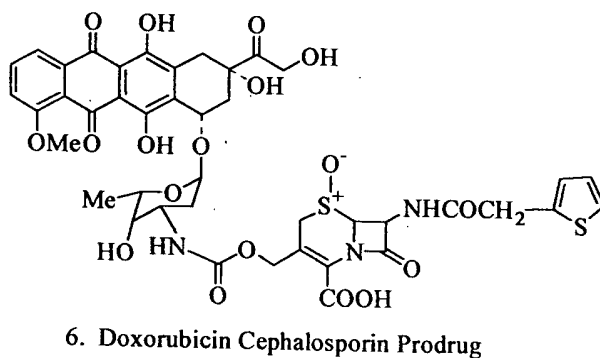
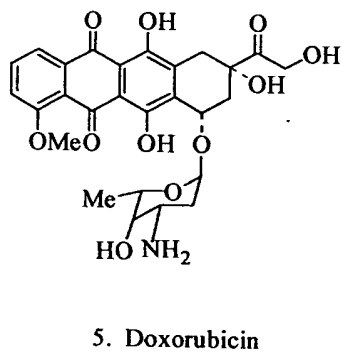
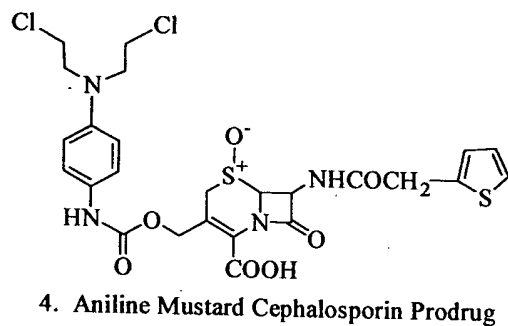
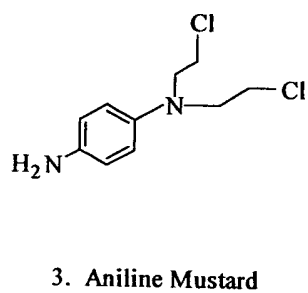
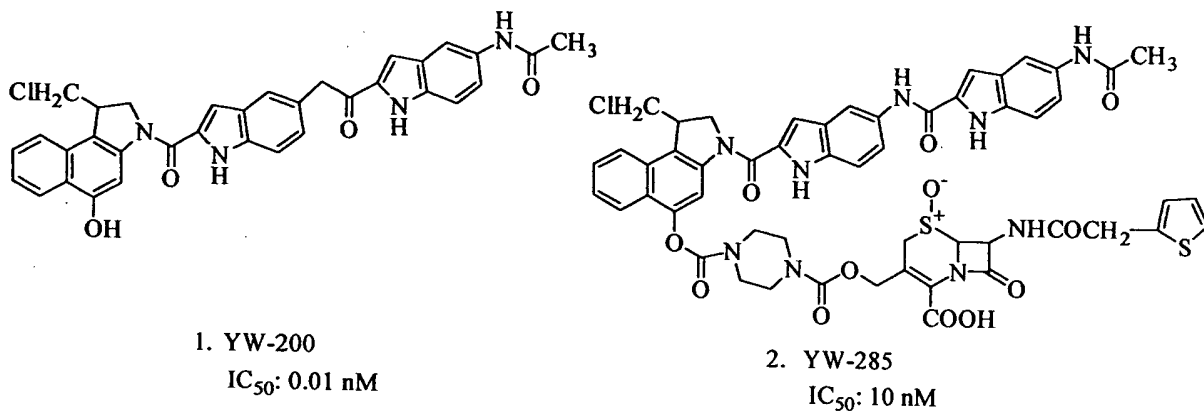


Figure 5

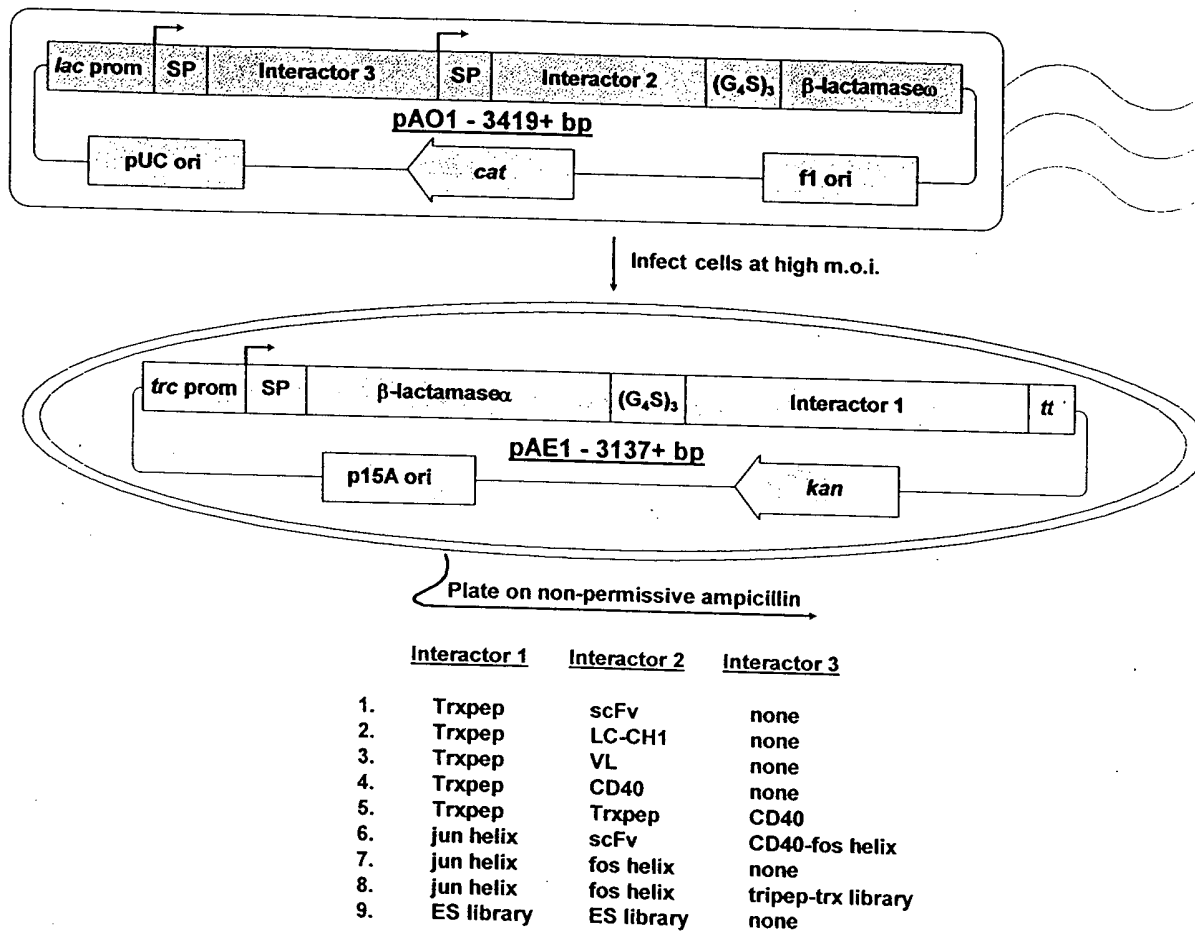


Figure 6

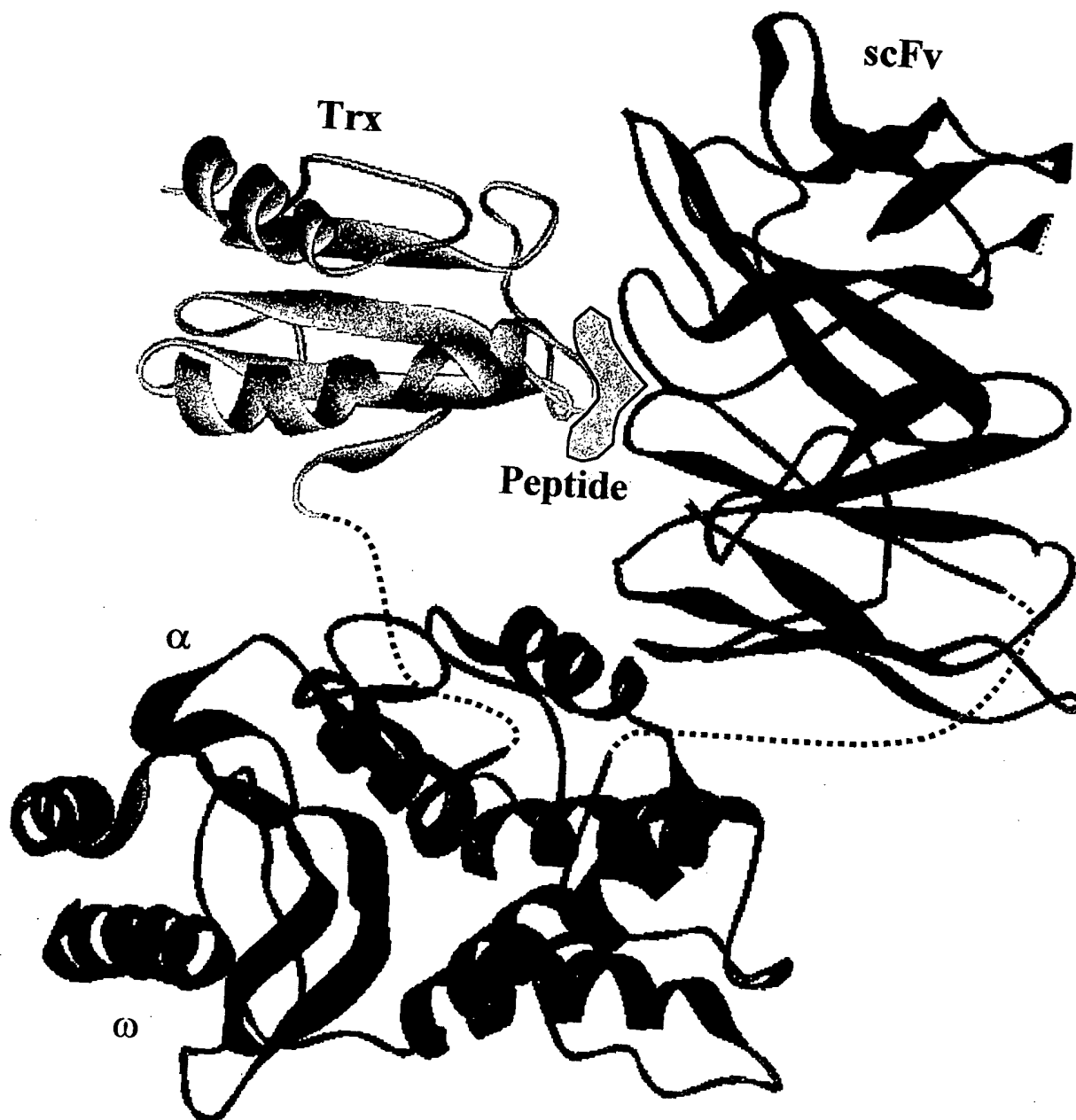


Figure 7

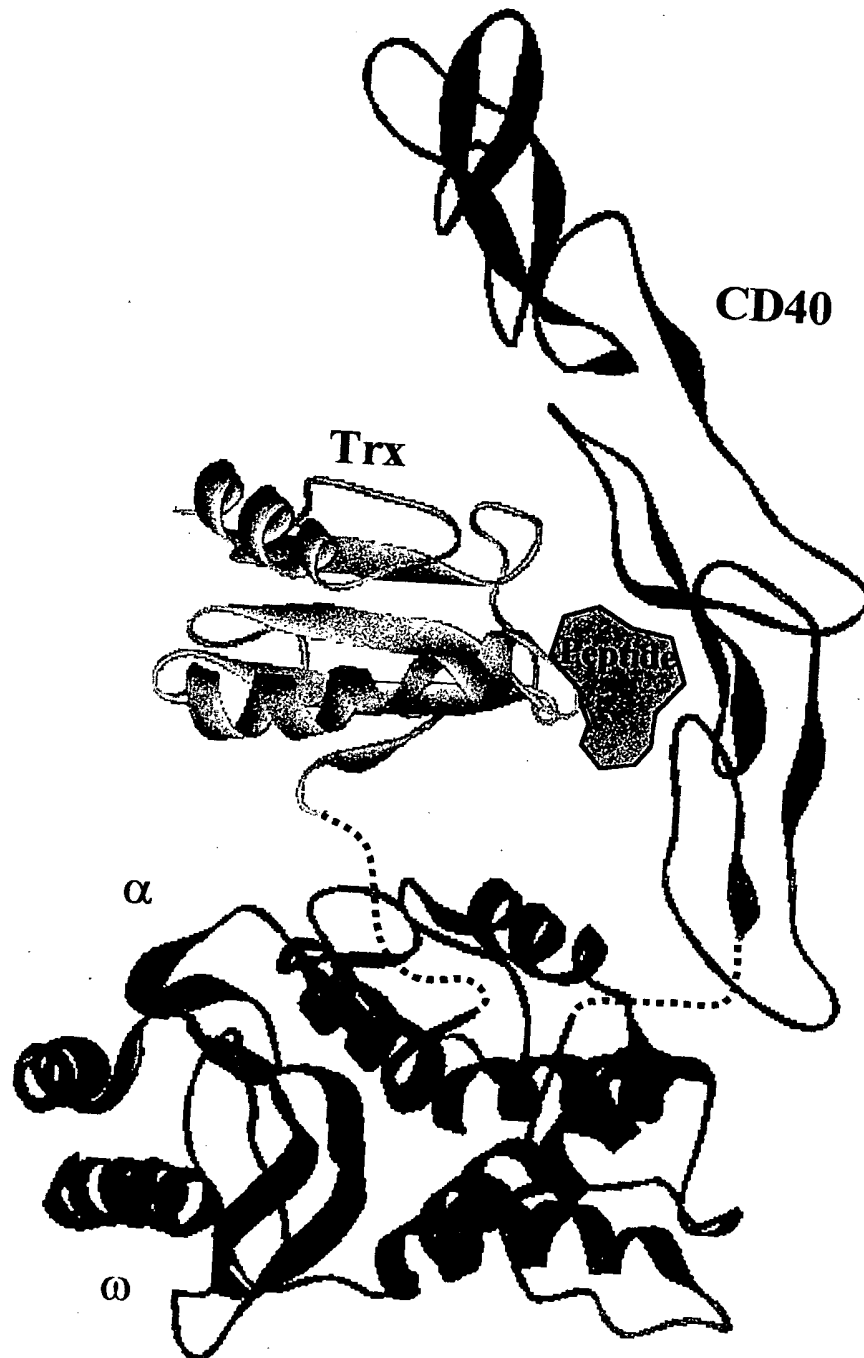


Figure 8

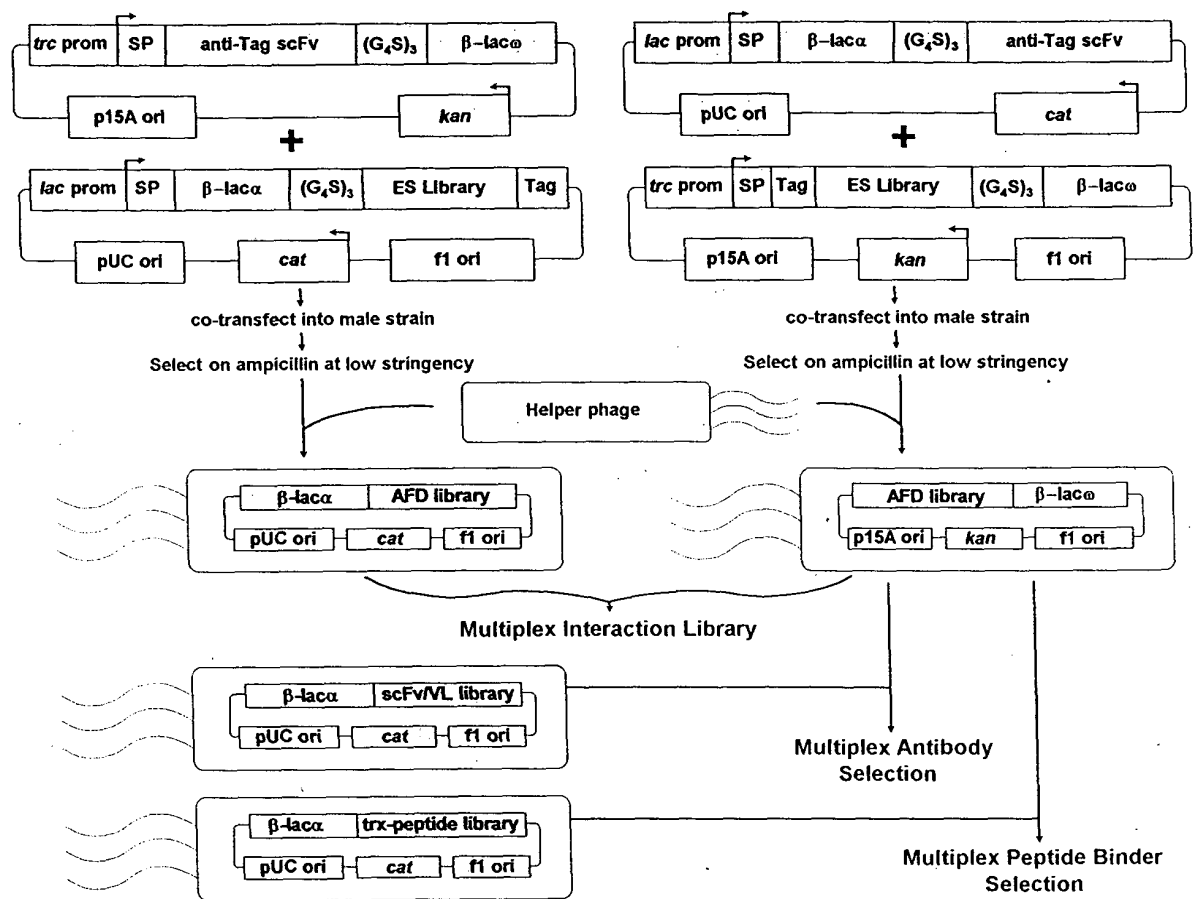


Figure 9

```
.....1.....2.....3.....4.....5.....6
AA      |MGS AIEQDGLHAGSPA AWVERLFGYDWAQQTIGCSDA AVFRLSAQGRPVLFVKTDL SGAL|
PHD sec |      HHHHHHHH      EEEE      HHHEEE      EEEEE      |
subset: SUB sec |LLL...LLLLLLL.HHHHHHH.LL.....LLLLL.H.....LLL.EEEEE.LLLLL.|
Rel sec  |98713346566989479999981552322125777546334224999378985177773|
access: P_3 acc |eeebbeeeeeee eebeebbee ebbeeebebbbbbebeeeeeebbbebeeeee|
10st:   PHD acc |99700677777875797007606736007677060000006069796760006067777|

.....7.....8.....9.....10.....11.....12
AA      |NELQDEAARLSWLATTGVPCAAVLDVVTEAGRDWLLLG EVPGQDLLSSHLAPAEKVSIMA|
PHD sec |      HHHHHHHHHHHHH      HHHHHHH      EEEEE      HHHHHHHHHH|
subset: SUB sec |..HHHHHHHHHHHHHLLLLL.....E.....LLLLL...LL.HHHHHHHHHH|
Rel sec  |3277999999999996599872322332122322354310278765424553599999999|
access: P_3 acc |eebeeebe bbbbeeebebbbebbbebeeeebbbbbebebebeee eeeebbebbb|
10st:   PHD acc |77077606500000777060060060067776000007006077077757777006000|

.....13.....14.....15.....16.....17.....18
AA      |DAMRRLHTLDPATCFDHQAKHRIERARTRMEAGLVDQDDLDEEHQGLAPAE L FARLKAR|
PHD sec |      HHHHHH      HHHHHHHHHHHHH      HHH      HHHHHHHHHH|
subset: SUB sec |HHHHHH.LLLL.LLLLL..HHHHHHHHHHHH.LLLLLL....LLLLHHHHHHHHHHH.|
Rel sec  |999998388664688873328999999999971555588742213686789999999961|
access: P_3 acc |ebbbebbebebeebbeeebeeebeeebeeebeebbb beebbeeeeeeebeebbeee|
10st:   PHD acc |70006007060770007770776077067607700050760776777607600760777|

.....19.....20.....21.....22.....23.....24
AA      |MPDGEDLVVTHGDACLPNIMVENGRFSGFIDCGRLGVADRYQDIALATRDIAEELGGEW A|
PHD sec |      EEEE      EEE      EEEEE      HHHHHHHHHHHHHHHHHHH      HHHH|
subset: SUB sec |LLLLLLEEEE.LLLLLL..E..LL.EEEEE.....HHHHHHHHHHHHHHHHHH.L.HHH|
Rel sec  |898996688626788663153188357888143112344789999999999975284999|
access: P_3 acc |eeeeebbbbbbebbbbbbbeebbbbbbbbbb bbbbbb bbbbbbbbebeeebeee e|
10st:   PHD acc |677777000000600000000670600000000400000500000000660677077736|

.....25.....26.....27.....28.....29.....30
AA      |DRFLVLYGIAAPDSQRIAFYRLLEFF|
PHD sec |      HHHHHHH      HHHHHHHHHHHHH      |
subset: SUB sec |HHHHHHH.LLLLL..HHHHHHHHH.LL|
Rel sec  |999999737998834667579998359|
access: P_3 acc |e bbeebbbe eeebebbbbbbeebb|
10st:   PHD acc |750066000765777606000006600|
```

Figure 10

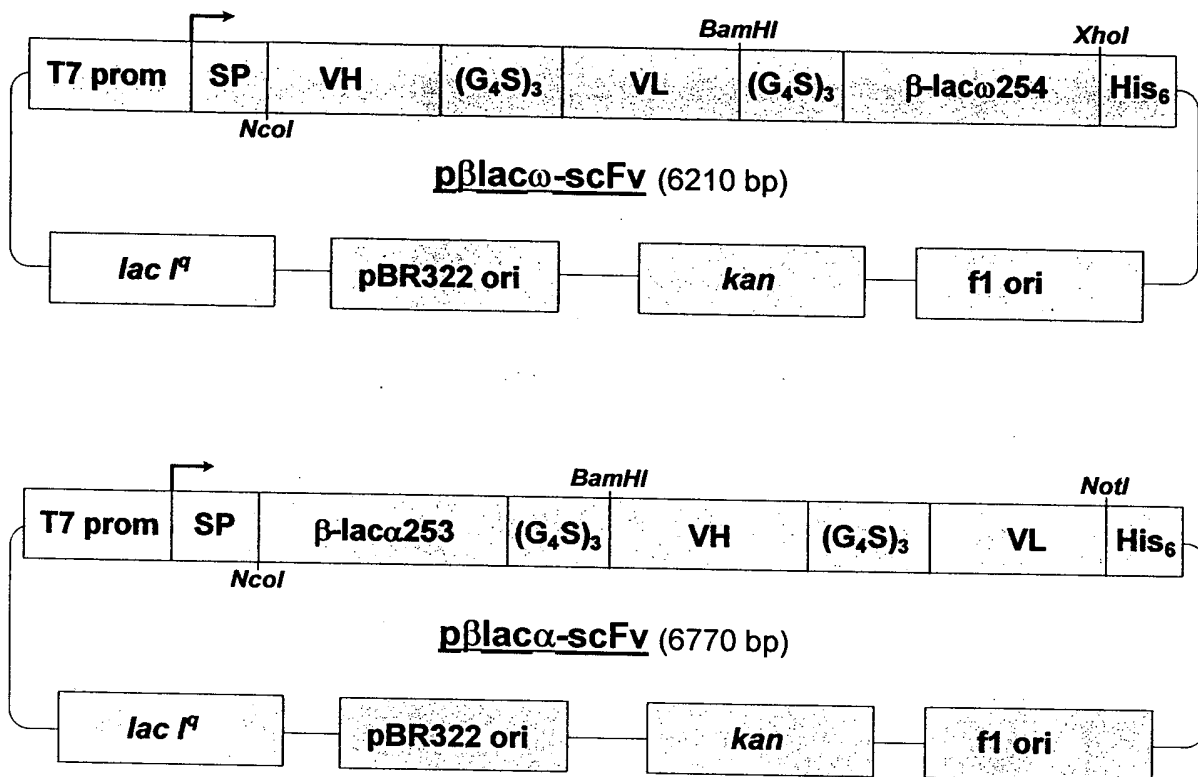


Figure 11